

# INTEGRATED METHOD FOR CHAOTIC TIME SERIES ANALYSIS

**Patent number:** EP1017313  
**Publication date:** 2000-07-12  
**Inventor:** HIVELY LEE M (US); NG ESMOND G (US)  
**Applicant:** LOCKHEED MARTIN ENERGY RES COR (US)  
**Classification:**  
 - international: **A61B5/00; A61B5/04; G06F17/00; A61B5/00; A61B5/04; G06F17/00; (IPC1-7): A61B5/04**  
 - european:  
**Application number:** EP19980924754 19980507  
**Priority number(s):** WO1998US09418 19980507; US19970853226 19970508

## Also published as:

WO9849935 (A1)  
 US5815413 (A1)  
 EP1017313 (A4)

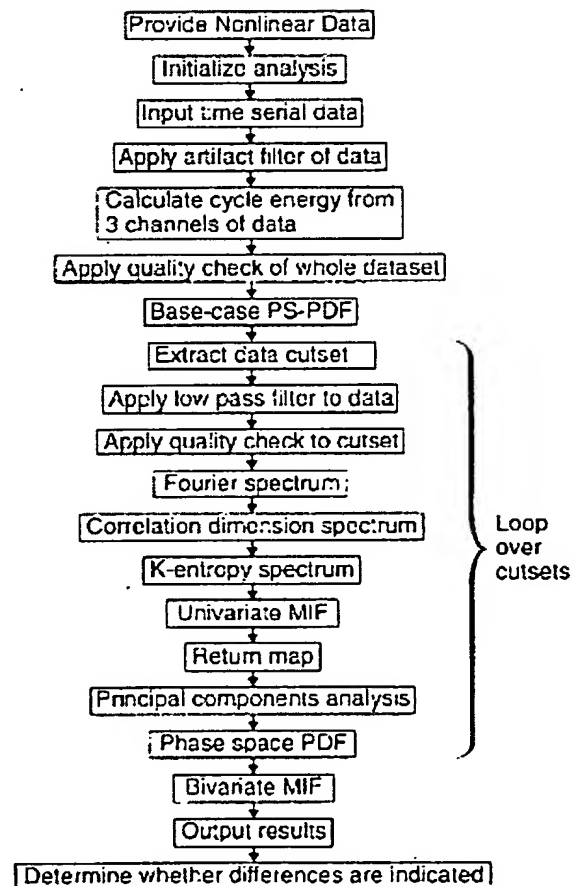
## Cited documents:

XP000937854  
 XP000625356

[Report a data error here](#)

Abstract not available for EP1017313  
 Abstract of correspondent: **US5815413**

Methods and apparatus for automatically detecting differences between similar but different states in a nonlinear process monitor nonlinear data. Steps include: acquiring the data; digitizing the data; obtaining nonlinear measures of the data via chaotic time series analysis; obtaining time serial trends in the nonlinear measures; and determining by comparison whether differences between similar but different states are indicated.



Data supplied from the **esp@cenet** database - Worldwide